

**Integrated multispot satellite communication system in a multimedia
broadcasting network**

ABSTRACT

Integrated multispot satellite communication system in a multimedia broadcasting network, mainly in digital video broadcasting (DVB) applications. The system employs the DVB-RCS mode in the uplink direction of the communication, i.e. towards the satellite, and multiplexes said signals into a DVB-S type signal in the downlink direction, i.e. the signal leaving the satellite, permitting a user to request broadband interactive services using standard stations both on the transmission side and on the reception side. A regenerator means on board the satellite serves to perform the multiplexing of said downlink signal.